

In the claims, make the following changes:

1. ( Currently amended ) A [An aqueous synfuel emulsion] chemical change reagent for use as an additive for [combustible materials] coal to facilitate chemical bonding therewith and to facilitate complete combustion thereof, said [aqueous composition] chemical change reagent [ comprising ] consisting essentially of at least 1.0% by weight of polyvinyl alcohol, 10% to 35% by weight of a hydrocarbon wax from the group consisting of paraffin wax, slack wax, microcrystalline wax, olefinic wax and mixtures thereof, and the balance of water, all being referred to as the ingredients, wherein all weight percentages are based on the total weight of the [emulsion] reagent which combines with said ingredients to provide for improved combustion of said coal.

2. ( Previously cancelled )

3. ( Cancel )

4. ( Currently amended ) [An] A reagent [aqueous synfuel emulsion] as claimed in claim 1 in which [comprises 2 to 5% by] the percentage by weight of the ingredients consists essentially of polyvinyl alcohol 2 to 5%, 15 to 30% weight of [a] the hydrocarbon wax, 0 to 0.5% of a biocide and the balance of water.

5. ( Currently amended ) [An] A reagent as [aqueous synfuel emulsion] claimed in claim 4 in which the percentage by weight of the materials consists essentially of [comprises] 2 to 4.5% by weight of polyvinyl alcohol, 15 to 25% by weight of [a] the

hydrocarbon wax, 0 to 0.10% by weight of a biocide and the balance of water.

6. ( Currently amended ) [An] A reagent [aqueous emulsion] as claimed in claim 4 which further [comprises] consists essentially of 1.0% to 10.0% by weight of one or more filler materials, based on the total weight of the [emulsion] reagent.

7. ( Currently amended ) A method of assisting complete combustion of [a material] coal, said method comprising the step of applying to the [material] coal, [an aqueous composition] a chemical change reagent in which the percentages by weight of the materials consists essentially of [comprises] 1.0 to 10.0% by weight of polyvinyl alcohol, 10.0 to 35.0% by weight of a hydrocarbon wax selected from the group consisting of paraffin wax, slack wax, microcrystalline wax, olefinic wax and mixtures thereof, and the balance of water, wherein all weight percentages are based on the total weight of the composition, and allowing a chemical change to occur.

8. ( Currently amended ) A method as claimed in claim 7 wherein said [composition] reagent is in the form of an emulsion.

9. ( Currently amended ) A method as claimed in claim 7 wherein said [composition] reagent also [ includes ] further consists essentially of 1.0 to 10.0 % by weight of a filler material; based on the total weight of the [composition] reagent.

10. ( Currently amended ) A method as claimed in claim 7 wherein said

[composition comprises] reagent consists essentially of 2 to 4.5% by weight of polyvinyl alcohol, 15 to 25% by weight of [a] said hydrocarbon wax, 0 to 0.505 percentage by weight of a biocide, and the balance of water.

11. ( Currently amended ) A method as claimed in claim 7 wherein the composition is applied to the [material] coal by spraying.

12. ( Cancel )

13. ( Currently amended ) The [aqueous synfuel emulsion] reagent as in claim 1 and further [comprising] consisting essentially of a percentage of polyvinyl acetate in said composition.

14. ( Currently amended ) The [aqueous synfuel emulsion] reagent of claim [13] 13 wherein said percentage of polyvinyl acetate is 10% or less.

15. ( Currently amended ) The [aqueous synfuel emulsion] reagent of claim 1 and further [comprising] consisting essentially of raw coal added to said [composition] reagent.

16. ( Currently amended ) The [emulsion] reagent of claim [16] 15 and further comprising polyvinyl acetate.

17. ( Cancel )

18. ( Currently amended ) The [composition] reagent of claim [16] 14 wherein the percentage of polyvinylacetate is 10%.

19. ( Currently amended ) The [composition] reagent of claim 14 wherein the range of polyvinyl acetate is from 0 % to 20%.

20. ( Previously cancelled )

21. ( Cancel )

22. ( Cancel )

23. ( Cancel )

24. ( New ) A chemical change reagent which reacts with coal to chemically change the functional group bonding found therein, said reagent consisting essentially of:

An amount from 1 to 10% of polyvinyl alcohol,

An amount from 1 to 55% of wax hydrocarbon

An amount from 1 to 20% of polyvinyl acetate

An amount of from 1 to 10% of filler material

An amount of from 1 to 74% of water

wherein the total percentage of amounts is 100%.

25. ( New ) A reagent as in claim 24 and further consisting essentially of a biocide.